

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2015-46 Date Opened: 12 May 2015 Title: FabricationAircraft OEM: Bell Aircraft Model: 407 Product Type: Pilot Peg Step Product Model: N/A Quantity: 8**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

N/A
N/A
JR
JR
N/A
JR
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

N/A
N/A

Drawing List

Drawing #	Rev #	Description	Initial or N/A
62302	1	Installation	JR
62340	0	Fabrication	JR

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

8
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JR
N/A
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JR
N/A
N/A

Traveller

Initial or N/A

Work performed by:

Print: Jeff ClarkeSign: [Signature]SCA: AD02Date: 15-May-15

ICC / Dual Inspection performed by:

Print: Jason RekveSign: [Signature]SCA: AD01Date: 15-May-15


Work Order closed by:

Print: Jason RekveSign: [Signature]SCA: AD01Date: 03-Jun-15

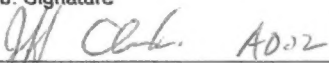
Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2015-46	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	Peg Step	62340-01-02	1	N/A	New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12.			
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke – AD02		13e. Date (dd/mmm/yyyy) 15 May 2015		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

1475C

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2015-46	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	Peg Step	62340-01-02	1	N/A	New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.				<input type="checkbox"/> Other regulation specified in block 12		
<input type="checkbox"/> Non approved design data specified in block 12.				Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature		13c. Approved Organization Number		14b. Signature		14c. Approved Organization Number
 AD02		AMF 73-04				
13d. Name		13e. Date (dd/mmm/yyyy)		14d. Name		14e. Date (dd/mmm/yyyy)
Jeff Clarke – AD02		15 May 2015				

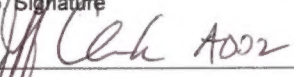
Installer Responsibilities

This certificate does not constitute authority to install.

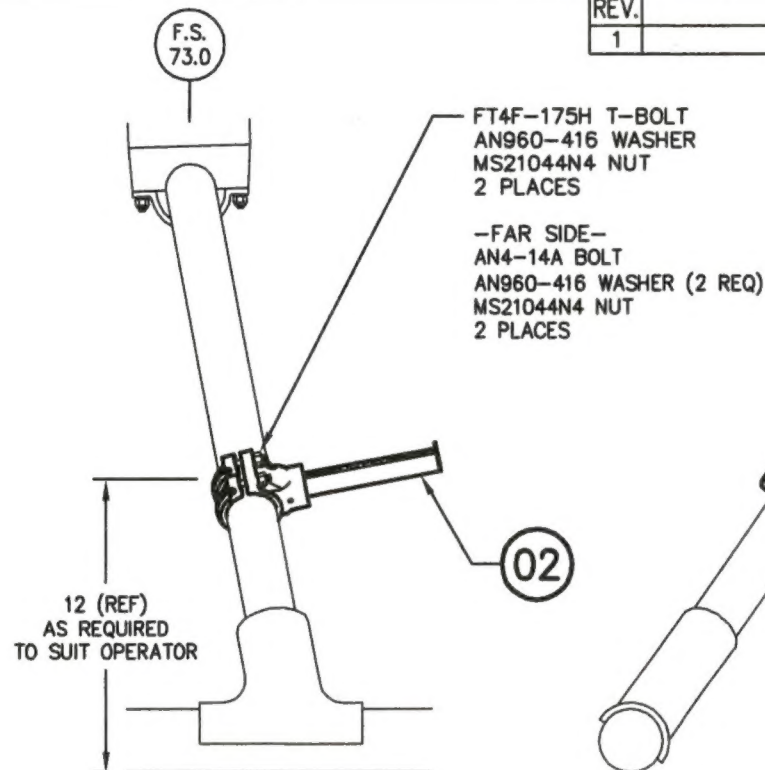
Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.

Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

7514

1. Approving Civil Aviation Authority/Country *Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2015-46	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	Peg Step Assembly	62340-01-02	6	N/A	New	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 12 June 2015		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD 206B	BJC	30/11/2010

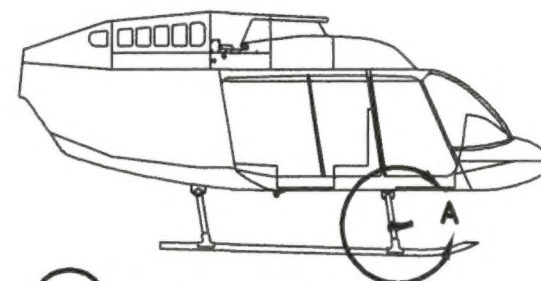


DETAIL A

LOOKING INBOARD AT RIGHT CROSS TUBE

NOTES:

- STEP MAY BE INSTALLED ON THE RIGHT OR LEFT OR BOTH SIDES.
- TORQUE NUTS TO 50-70 IN.-LBS.



01 STEP INSTALLATION

RIGHT SIDE SHOWN, LEFT SIDE OPPOSITE
BELL 206L SHOWN; 206B AND 407 INSTALLATION IDENTICAL

WEIGHT AND BALANCE

ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL ARM (IN)	MOMENT (LB-IN)	LATERAL ARM (IN)	MOMENT (LB-IN)
01	R.H. STEP INSTALLATION	1.0	68.6	68.6	42.1	42.1
01	L.H. STEP INSTALLATION	1.0	68.6	68.6	-42.1	-42.1
	BOTH INSTALLED	2.0	68.6	137.2	0	0

4	MS21044N4	NUT
6	AN960-416	WASHER
2	AN4-14A	BOLT
2	FT4F-175H	T-BOLT
1	62340-01	02 STEP ASSEMBLY
	62302-01	01 STEP INSTALLATION
QTY	PART NO.	ITEM DESCRIPTION
LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	29 APR 2010
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ± 0.010 $\pm 1/2^\circ$
X.XX ± 0.03
X.X ± 0.1

AERO DESIGN LTD.

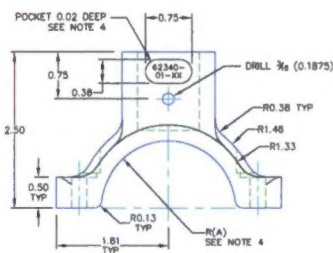
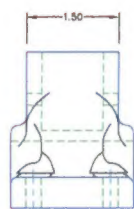
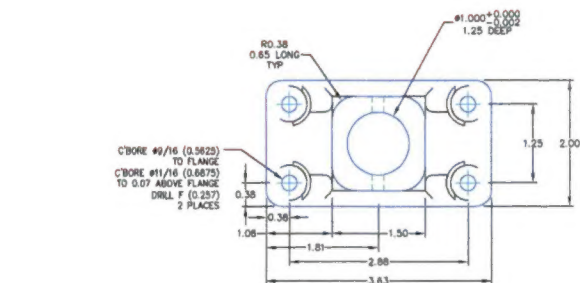
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7
tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca

BELL 206B, 206L SERIES, 407 AUXILIARY STEP INSTALLATION

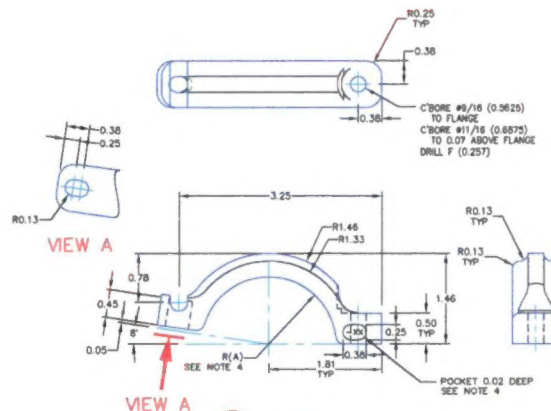
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HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	62302	1

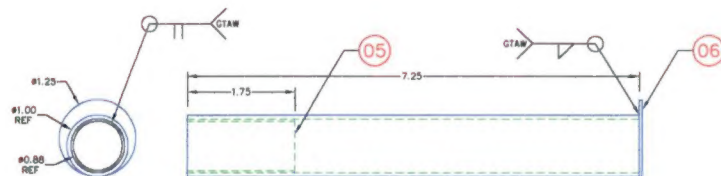
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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



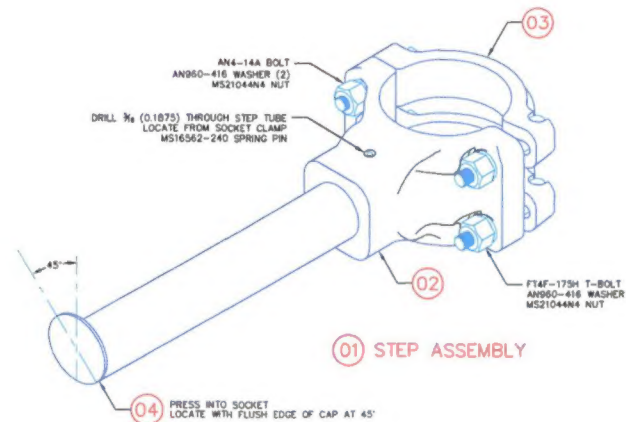
02 SOCKET CLAMP



03 CLAMP



04 STEP TUBE



01 STEP ASSEMBLY

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 304/321 STAINLESS STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
3. THOROUGHLY DEGREASE AND POWDER COAT AFTER ASSEMBLY. APPLY STRIP OF 3M SAFETY-WALK GRIP TAPE OR EQUIVALENT ON TOP SURFACE OF TUBE.
4. ENGRAVE TEXT 0.08 HIGH, 0.007 DEEP AS FOLLOWS:

DASH NO. (XX)	RADIUS R(A)
-01	1.06
-02	1.01

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1	MS16562-240	SPRING PIN				3/16 X 1.5 LONG
4	MS21044N4	NUT				
6	AN360-416	WASHER				
2	AN4-14A	BOLT				
2	FTAF-175H	T-BOLT				
1	62340-06	06 CAP		321 STAINLESS STEEL	AMS 5510	0.050 SHEET
1	62340-05	05 TUBE		304 STAINLESS STEEL	ASTM A213	0.875 X 0.035 RND. TUBE
1	62340-04	04 STEP TUBE		304 STAINLESS STEEL	ASTM A213	1.0 X 0.065 RND. TUBE
1	62340-03-XX	03 CLAMP		6061-T6 ALUMINUM	QQ-A-200/B	1.0 X 3.5 BAR
1	62340-02-XX	02 SOCKET CLAMP		6061-T6 ALUMINUM	QQ-A-200/B	2.5 X 2 BAR
1	62340-01-XX	01 STEP ASSEMBLY				

APPROVALS	DATE
DRAWN: JEFF CLARKE	26 APR 2010
CHECKED: E. BURGOIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 X.XX ±0.03 X.X ±0.1	
AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAB 0907 8013 - 50TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 0R7 Tel: (403) 850-9087 Fax: (403) 850-8333 www.aerodesign.ca	
BELL 206L SERIES & 407 AUXILIARY STEP FABRICATION	
SCALE 1:1	DWG. NO. A1 62340 0
SHEET 1 OF 1	REV. 0



WO# 2015-46

Approved Manufacturing Facility 73-04 Form 20.F.06 Rev. Original 27 May 2013

Aero Design

Parts Distribution Sheet

Description: Peg Step

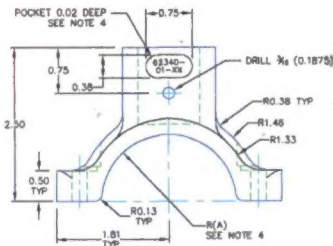
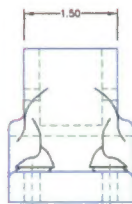
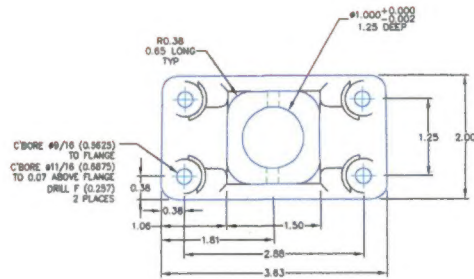
WO# 2015-46

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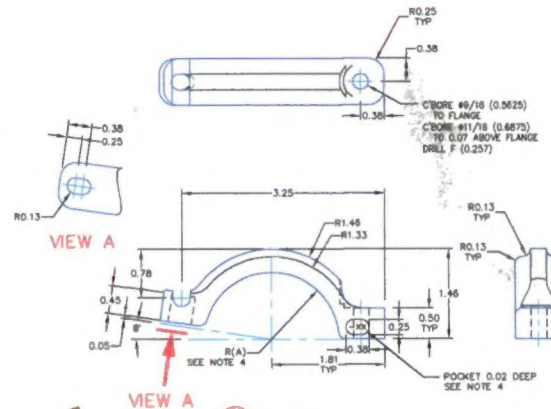
WO 2015-46

x8

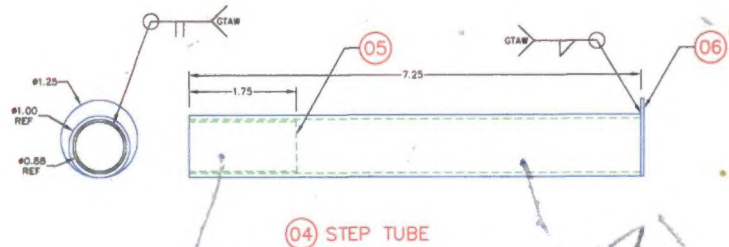
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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



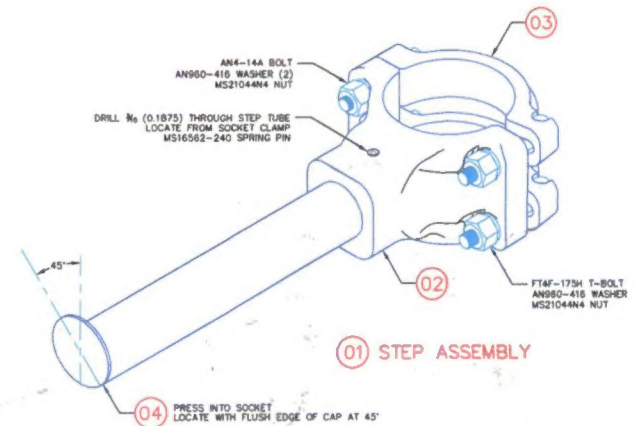
02 SOCKET CLAMP



03 CLAMP



04 STEP TUBE



NOTES

- REMOVE ALL BURRS AND BREAK SHARP EDGES.
- WELDING OF 304/321 STAINLESS STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
- THOROUGHLY DEGREASE AND POWDER COAT AFTER ASSEMBLY. APPLY STRIP OF 3M SAFETY-WALK GRIP TAPE OR EQUIVALENT ON TOP SURFACE OF TUBE.
- ENGRAVE TEXT 0.08 HIGH, 0.007 DEEP AS FOLLOWS:

DASH NO (XX)	RADIUS R(A)
-01	1.08
-02	1.01

PO# 14017
+ 14014

PO# 13071
+ 14103

CAP to 3021

Rot pin
PO# 11105

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1	MS16562-240		SPRING PIN			#3/16 X 1.5 LONG
4	MS21044A4		NUT			
2	AN960-416		WASHER			
2	AN4-14A		BOLT			
1	FT4F-175H		T-BOLT			
1	62340-06	06	CAP	321 STAINLESS STEEL	AMS 3510	0.080 SHEET
1	62340-05	05	TUBE	304 STAINLESS STEEL	ASTM A213	0.875 X 0.035 RND. TUBE
1	62340-04	04	STEP TUBE	304 STAINLESS STEEL	ASTM A213	1.0 X 0.065 RND. TUBE
1	62340-03	03	CLAMP	6061-T6 ALUMINUM	QQ-A-200/B	1.0 X 3.5 BAR
1	62340-02	02	SOCKET CLAMP	6061-T6 ALUMINUM	QQ-A-200/B	2.5 X 2 BAR
01	62340-01	01	STEP ASSEMBLY			

APPROVALS	DATE
DRAWN: JEFF CLARKE	26 APR 2010
CHECKED: E. BURGOIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

AERO DESIGN LTD.			
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVAL, DAR 590M			
3013 - 50TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 5P7			
tel: (403) 880-9007 fax: (403) 880-8883 www.aerodesign.ca			
BELL 206L SERIES & 407 AUXILIARY STEP FABRICATION			
SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A1	62340	0